| L Number | Hits | Search Text                                                                       | DB       | Time stamp         |
|----------|------|-----------------------------------------------------------------------------------|----------|--------------------|
| 1        | 518  | ((linear near2 discrimin\$ near4 analy\$) or                                      | USPAT    | 2004/07/13 15:27   |
| -        | 310  | (Karhunen\$ near3 transform\$))                                                   | USFAI    | 2004/07/13 13.27   |
| 2        | 61   | ((linear near2 discrimin\$ near4 analy\$) or                                      | USPAT    | 2004/07/13 15:28   |
| 2        | 0.1  | (Karhunen\$ near3 transform\$)) and (speech                                       | USFAI    | 2004/07/13 13.20   |
|          |      | near3 recognition)                                                                |          |                    |
| 3        | 30   | ((linear near2 discrimin\$ near4 analy\$) or                                      | USPAT    | 2004/07/13 15:31   |
| 3        | 50   | (Karhunen\$ near3 transform\$)) and (speech                                       | ODIAI    | 2004/07/13 13:31   |
|          |      | near3 recognition) and microphone                                                 |          |                    |
| 4        | 2    | 08/185,500                                                                        | USPAT    | 2004/07/13 15:38   |
| 5        | 2    | 08/185,500                                                                        | USPAT;   | 2004/07/13 15:38   |
|          | -    | 00/103/300                                                                        | US-PGPUB | 2001, 01, 23 23.30 |
| _        | 16   | (((speech or voice) near3 recogni\$) or sr                                        | USPAT    | 2004/07/13 10:22   |
|          |      | or asr) and ((feature near3 extract\$)                                            |          | ,,                 |
|          |      | near3 (plurality or array)) and (noise                                            |          |                    |
|          |      | near3 (suppress\$ or reduc\$)) and                                                |          |                    |
|          |      | @ad<20000505                                                                      |          |                    |
| -        | 70   | (((speech or voice) near3 recogni\$) or sr                                        | USPAT    | 2004/07/13 10:24   |
|          |      | or asr) and ((feature near3 extract\$)) and                                       |          | , ,                |
|          |      | (noise near3 (suppress\$ or reduc\$)) and                                         |          |                    |
|          |      | (transform\$ or dft or fft) and (classif\$)                                       |          |                    |
|          |      | and @ad<20000505                                                                  |          |                    |
| -        | 33   | 704/\$.ccls. and (((speech or voice) near3                                        | USPAT    | 2004/07/13 10:29   |
|          |      | recogni\$) or sr or asr) and ((feature                                            |          |                    |
|          |      | near3 extract\$)) and (noise near3                                                |          |                    |
|          |      | (suppress\$ or reduc\$)) and (transform\$ or                                      |          |                    |
|          |      | dft or fft) and (classif\$) and                                                   |          |                    |
|          |      | @ad<20000505                                                                      |          |                    |
| -        | 1    | 704/\$.ccls. and (((speech or voice) near3                                        | USPAT    | 2004/07/13 10:29   |
|          |      | recogni\$) or sr or asr) and ((feature                                            |          |                    |
|          |      | near3 extract\$)) and (noise near3                                                |          |                    |
|          |      | (suppress\$ or reduc\$)) and (transform\$ or                                      |          |                    |
|          |      | dft or fft) and (classif\$) and                                                   |          |                    |
|          |      | ((microphone or mic) near3 (array or                                              |          |                    |
|          |      | beamform\$)) and @ad<20000505                                                     |          |                    |
| -        | 1    | 704/\$.ccls. and (((speech or voice) near3                                        | USPAT    | 2004/07/13 10:30   |
|          |      | recogni\$) or sr or asr) and ((feature                                            |          |                    |
|          |      | near3 extract\$)) and (noise near3                                                |          |                    |
|          |      | (suppress\$ or reduc\$)) and (transform\$ or                                      |          |                    |
|          |      | dft or fft) and ((microphone or mic) near3                                        |          |                    |
| _        | 3    | (array or beamform\$)) and @ad<20000505                                           | USPAT    | 2004/07/12 10 42   |
| _        | 3    | 704/\$.ccls. and (((speech or voice) near3 recogni\$) or sr or asr) and ((feature | USPAI    | 2004/07/13 10:42   |
|          |      | near3 extract\$)) and (transform\$ or dft or                                      |          |                    |
|          | -    | fft) and ((microphone or mic) near3 (array                                        |          |                    |
|          |      | or beamform\$)) and @ad<20000505                                                  |          |                    |
| _        | 5    | (((speech or voice) near3 recogni\$) or sr                                        | IISDAT   | 2004/07/13 10:56   |
| ĺ        | J    | or asr) and ((feature near3 extract\$)) and                                       | OSTAT    | 2001/07/15 10:50   |
|          |      | (transform\$ or dft or fft) and                                                   |          |                    |
|          |      | ((microphone or mic) near3 (array or                                              |          |                    |
|          |      | beamform\$)) and @ad<20000505                                                     |          |                    |
| -        | 0    | flagnagan and (speech near3 recogni\$)                                            | USPAT    | 2004/07/13 10:56   |
| -        | 183  |                                                                                   | USPAT    | 2004/07/13 10:56   |
| -        | 12   | flanagan and (speech near3 recogni\$) and                                         | USPAT    | 2004/07/13 11:01   |
|          |      | (microphone near array)                                                           |          |                    |
| -        | 19   | (parallel\$ near7 (feature\$ near3 (analy\$                                       | USPAT    | 2004/07/13 11:04   |
|          |      | or extract\$))) and (sr or asr or (speech                                         |          |                    |
|          |      | near3 recogni\$))                                                                 |          |                    |
| -        | 730  | ((feature\$ near3 (analy\$ or extractors)))                                       | USPAT    | 2004/07/13 11:04   |
|          |      | and (sr or asr or (speech near3 recogni\$))                                       |          |                    |
| -        | 439  | ((feature\$ near3 (analy\$ or extractors)))                                       | USPAT    | 2004/07/13 12:25   |
| İ        | į    | and (sr or asr or (speech near3 recogni\$))                                       |          |                    |
|          |      | and (dft or fft or transform\$)                                                   |          |                    |
| -        | 4    | ((feature\$ near3 (analy\$ or extractors)))                                       | USPAT    | 2004/07/13 13:06   |
|          |      | and (microphones near3 (array or                                                  |          |                    |
|          |      | beamform\$)) and (dft or fft or transform\$)                                      |          |                    |
| -        | 5    | ((feature\$ near3 (analy\$ or extractors)))                                       | USPAT    | 2004/07/13 13:08   |
|          |      | and (microphone\$ near3 (array or                                                 |          |                    |
|          |      | beamform\$)) and (sr or asr or ((voice or                                         | I        | 1                  |
| 1        | İ    | speech) near3 recogni\$))                                                         |          |                    |

| _          | 7   | ((feature\$ near3 (analy\$ or extractors))) | USPAT | 2004/07/13 13:08 |
|------------|-----|---------------------------------------------|-------|------------------|
|            |     | and (microphone\$ near3 (array or           |       | :                |
|            |     | beamform\$))                                |       | · ·              |
| -          | 7   | ((feature\$ near3 (analy\$ or extractors))) | USPAT | 2004/07/13 13:09 |
|            |     | and ((microphone\$ or mic)near3 (array or   |       |                  |
|            |     | beamform\$))                                |       |                  |
| -          | 360 | ((feature\$ near3 (analy\$ or extractors))) | USPAT | 2004/07/13 13:09 |
|            | į   | and ((input or signal\$ or microphone\$ or  |       |                  |
|            |     | mic)near3 (array or beamform\$))            |       |                  |
| -          | 71  | ((feature\$ near3 (analy\$ or extractors))) | USPAT | 2004/07/13 13:31 |
|            |     | and ((input or signal\$ or microphone\$ or  |       |                  |
|            | :   | mic)near3 (array or beamform\$)) and (sr or |       |                  |
|            |     | asr or ((voice or speech) near3 recogni\$)) |       |                  |
| _          | 18  | "4485484"                                   | USPAT | 2004/07/13 13:33 |
| -          | 4   | "4485484" and (speech near3 recogni\$)      | USPAT | 2004/07/13 13:34 |
| -          | 1   | "6737485"                                   | USPAT | 2004/07/13 13:34 |
| <b>-</b> . | 8   | "5737485"                                   | USPAT | 2004/07/13 15:26 |